

EP 832547 Patent Family

10/9/4

DIALOG(R)File 351:Derwent WPI

(c) 2004 Thomson Derwent. All rts. reserv.

010825633 **Image available**

WPI Acc No: 1996-322582/199633 XRPX Acc No: N96-271447

Plug-in type PCB front-mounting assembly with active-passive circuit - includes device for positionally fixing lever pull-grip when PCB is in required position in sub-assembly or carrier

Patent Assignee: SIEMENS AG (SIEI)

Inventor: BILLENSTEIN E; KOERBER W; KURRER S; SCHAFFER K

Number of Countries: 026 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29509603	U1	19960711	DE 95U2009603	U	19950612	199633 B
WO 9642187	A1	19961227	WO 95DE1080	A	19950816	199706
EP 832547	A1	19980401	EP 95928433	A	19950816	199817
			WO 95DE1080	A	19950816	
EP 832547	B1	19990120	EP 95928433	A	19950816	199908
			WO 95DE1080	A	19950816	
DE 59504941	G	19990304	DE 504941	A	19950816	199915
			EP 95928433	A	19950816	
			WO 95DE1080	A	19950816	
ES 2129843	T3	19990616	EP 95928433	A	19950816	199930
JP 11507475	W	19990629	WO 95DE1080	A	19950816	199936
			JP 97502462	A	19950816	
US 5959843	A	19990928	WO 95DE1080	A	19950816	199947
			US 97924997	A	19970905	
JP 3029461	B2	20000404	WO 95DE1080	A	19950816	200022
			JP 97502462	A	19950816	
US 6128198	A	20001003	WO 95DE1080	A	19950816	200050
			US 97924997	A	19970905	
			US 99276929	A	19990326	
CN 1178063	A	19980401	CN 95197764	A	19950816	200333
			WO 95DE1080	A	19950816	

Priority Applications (No Type Date): DE 95U2009603 U 19950612

Cited Patents: DE 4105948; EP 313270; EP 369025; EP 534674

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

DE 29509603	U1		13	H05K-007/14	
-------------	----	--	----	-------------	--

WO 9642187	A1	G	17	H05K-007/14	
------------	----	---	----	-------------	--

Designated States (National): CA CN CZ HU JP KR RU SK US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL

PT SE

EP 832547	A1	G		H05K-007/14	Based on patent WO 9642187
-----------	----	---	--	-------------	----------------------------

Designated States (Regional): AT CH DE ES FR GB IT LI NL SE

EP 832547	B1	G		H05K-007/14	Based on patent WO 9642187
-----------	----	---	--	-------------	----------------------------

Designated States (Regional): AT CH DE ES FR GB IT LI NL SE

DE 59504941	G			H05K-007/14	Based on patent EP 832547
-------------	---	--	--	-------------	---------------------------

Based on patent WO 9642187

ES 2129843	T3			H05K-007/14	Based on patent EP 832547
------------	----	--	--	-------------	---------------------------

JP 11507475	W		14	H05K-007/14	Based on patent WO 9642187
-------------	---	--	----	-------------	----------------------------

US 5959843	A			H05K-007/14	Cont of application WO 95DE1080
------------	---	--	--	-------------	---------------------------------

JP 3029461	B2		6	H05K-007/14	Previous Publ. patent JP 11507475
------------	----	--	---	-------------	-----------------------------------

Based on patent WO 9642187

US 6128198	A			H05K-007/14	Cont of application WO 95DE1080
------------	---	--	--	-------------	---------------------------------

Cont of application US 97924997

Cont of patent US 5959843

CN 1178063 A

H05K-007/14 Based on patent WO 9642187

Abstract (Basic): DE 29509603 U

The front mounting system for a pluggable printed-board assembly (3) for insertion into a sub-assembly (carrier) includes an upper or lower lever pull-grip (19) for inserting and withdrawing the printed board assembly (3) in and out of the sub-assembly, and a device (25) for positionally fixing the respective lever pull-grip (19) when the printed board assembly has acquired its required position in the sub-assembly or carrier.

A switching element (31) is integrated in the upper or lower end-piece (5) in such a way that the switching element (31) is activated by the corresp. pull-grip (19) when in its non-fixed position.

USE - Signal switching systems using plug-in PCBs. Front mounting system with active-passive circuit.

Title Terms: PLUG; TYPE; PCB; FRONT; MOUNT; ASSEMBLE; ACTIVE; PASSIVE; CIRCUIT; DEVICE; POSITION; FIX; LEVER; PULL; GRIP; PCB; REQUIRE; POSITION ; SUB; ASSEMBLE; CARRY

Derwent Class: V04

International Patent Class (Main): H05K-007/14

File Segment: EPI

Manual Codes (EPI/S-X): V04-T02